USER MANUAL

TIEX

Tinnitus Therapy Device

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INTRODUCTION

Congratulations for having chosen the TIEX Tinnitus Therapy Device, a high quality product of Neuwirth, Spittal/Drau, Austria. You have made an excellent choice. With the TIEX Tinnitus Therapy Device you have acquired a product that complies with highest quality standards. NEUWIRTH guarantees this outstanding quality.

The TIEX Tinnitus Therapy Device is CE certified (TÜV Austria reference number 0408). The CE certification is the external sign for compliance with the demands of the EC guideline 93/42/EWG for medical devices. For further questions please contact us.

We recommend that you carefully read the following safety instructions and precautions before operating the TIEX Tinnitus Therapy Device. They contain important information on how to properly use your new TIEX Tinnitus Therapy Device. Please contact TIEX Patient Service if you have additional questions (you can find the contact information on the last page of this TIEX User Manual).

NEUWIRTH is constantly striving to improve the quality of both its products and services, as well as tailoring them to customers' needs. Please feel free to contact our TIEX Patient Service for suggestions or questions (you can find the contact information on the last page of this TIEX User Manual).

PACKAGING

Please store the TIEX Packaging. It was specifically developed to ensure safe shipping for the TIEX Tinnitus Therapy Device. The TIEX Packaging should be used if the TIEX Tinnitus Therapy Device needs to be returned to TIEX Patient Service for technical service or repair work.

SAFETY INSTRUCTIONS

To avoid harm to the electronic parts of the device, do not open the TIEX Headset or the TIEX Base Unit. The TIEX Tinnitus Therapy Device contains no parts that have to be serviced by the user. Please leave technical service and repair work up to our qualified TIEX Technical Service.

The TIEX Headset can only be attached to the TIEX Base Unit. Other technical devices could be damaged if attached to the TIEX Headset.

The TIEX Tinnitus Therapy Device was tested according to EURONORM EN 60601-1-2 EMV (electromagnetic compatibility). The test proved that the TIEX device has no influence on other electronic devices (stereo, TV, etc.) and vice versa. The TIEX device is also safe against being short circuited.

Attention! Do not expose the TIEX Tinnitus Therapy Device to extreme temperatures, wetness and extreme humidity. Also keep this in mind when transporting the TIEX Tinnitus Therapy Device.

ELECTRIC POWER SUPPLY / BATTERY POWERED OPERATION

Correctly inserting and connecting the new battery

First push the battery cover (located on the bottom of the base unit) outward. Then connect the battery (9 volts, i.e. type 6F22 or 6LR61) to the battery clip. Insert the connected battery into the battery shaft and close the cover.

Battery life

If the functional control (green beacon) starts to flash weakly, the battery has to be replaced in order to ensure impeccable performance of the TIEX Tinnitus Therapy Device.
The TIEX Tinnitus Therapy Device can be used in average for 30 hours with one battery.

Battery handling

Batteries should not be exposed to heat for an extended period of time, since a short-circuit could occur. If you plan on not using the TIEX Tinnitus Therapy Device for an extended period of time, disconnect the battery and take it out of the battery case. Store the battery in a cool, dry place. Immediately remove empty batteries and store or recycle them properly!

AVOIDING POSSIBLE DAMAGE TO THE TIEX TINNITUS THERAPY DEVICE

CAUTION! Never open or disassemble a (rechargeable) battery! Do not expose a (rechargeable) battery to open fire, nor heat it up in any other way.

Never short-circuit the battery. Do not let the battery come in contact with metal parts because that can result in a short-circuit or in a fire. When transporting the TIEX Tinnitus Therapy Device make sure to wrap the (rechargeable) battery in a plastic cover.

WASTE DISPOSAL

Please drop off empty (rechargeable) batteries at the proper recycle locations.

If you need to dispose of the TIEX Tinnitus Therapy Device please bear in mind that the TIEX device has to be disposed as electronic waste. We ask you to dispose of the packaging correctly, too.

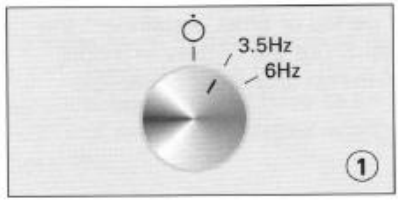
CLEANING THE TIEX TINNITUS THERAPY DEVICE

Do not use liquid sprays or clean-sing-sprays when trying to clean the TIEX Tinnitus Therapy Device. Simply wipe the TIEX Base Unit and the TIEX Headset off with a moist cloth if cleaning is necessary.

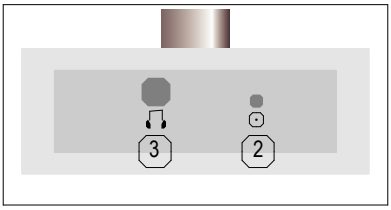
Attention! An opening of the TIEX Base Unit or the Headset by any other person than our qualified TIEX Technical Service will result in an immediate loss of warranty.

COMPONENTS OF THE TIEX TINNITUS THERAPY DEVICE

The TIEX Tinnitus Therapy Device consists of 2 main units: the TIEX Base Unit and the TIEX Headset.



1. Off and frequency-switch (3-Position switch)
   With this switch the device can be turned on/off and the frequency adjusted to 3.5 Hz or 6 Hz.



2. Battery frequency/functional control
   The lamp blinks in the rhythm of the adjusted frequency.

3. Plug for the headset.

4. Battery compartment
   Pull battery cover outward to open compartment.

OPERATING OF THE TIEX TINNITUS THERAPY DEVICE

On the front of the TIEX Base Unit the plug (3) for the TIEX Headset is located. This is where the TIEX Headset has to be plugged in when treating Tinnitus. When plugging the TIEX headset in, a clicking can be heard.
In order to start operating the TIEX Tinnitus Therapy Device please adjust the 3-position switch (1) on the top side of the TIEX Base Unit to 3.5 Hz or 6 Hz. The TIEX device is now ready to operate.
The green lamp(2) on the front of the TIEX Base Unit serves as battery, frequency and functional control. This green lamp(2) blinks in the rhythm of the adjusted frequency.

Should the lamp (2) start to flash weaker, please replace the battery (9 volts, i.e. type 6 F 22) or recharge the rechargeable battery (available in stores).
In order to enable the best treatment results possible, always wear the TIEX Headset on the correct side "(L)eft" on the left ear, "(R)ight" on the right ear.

INTENDED USE

The TIEX Tinnitus Therapy Device was tested by Medical Doctors and developed for the treatment and control of tinnitus ("a ringing in the ears").

USAGE OF THE TIEX TINNITUS THERAPY DEVICE

When treating tinnitus the TIEX Headset must be plugged into the TIEX Base Unit.

Adjust the frequency to:	6 Hz
Duration of treatment sessions:	twice a day, 30 minutes each (1 session in the morning, 1 session in the evening)
Goal:	improved blood circulation, increased oxygen supply
Position:	sitting or laying down in a relaxed position

If you realise an improvement of your Tinnitus the number of treatments should be reduced step by step.

PLEASE BEWARE OF THE FOLLOWING WHEN USING THE TIEX TINNITUS THERAPY DEVICE

No noise

The treatment with the TIEX Tinnitus Therapy Device works through pulsating magnetic fields and is therefore noiseless. This means that even when the TIEX device is switched on during treatment of your Tinnitus, you will not hear any noise produced by the TIEX Headset.

Relaxation

We recommend to relax during the daily treatment sessions with the TIEX Tinnitus Therapy Device.

Duration of therapy

The length of the entire therapy differs from individual to individual, since it depends on how fast the organism responds to the treatment. It usually extends over a period of two weeks to four months.

Consulting a physician

Before starting to use the TIEX Tinnitus Therapy Device therapy your Tinnitus condition should be examined and evaluated by your physician.
If you have got any questions concerning the therapy which go beyond the users manual, please contact your physician (ear, nose and throat doctor, general practitioner, neurologist) or the TIEX Patient Service.

WHEN SHOULD THE TIEX TINNITUS THERAPY DEVICE NOT BE USED?

Individuals, who have one or more of the following devices and/or conditions, should not use TIEX Tinnitus Therapy Device: electric implants such as cardiac pacemakers or hearing aids; epilepsy, infections and burn-out-syndrome.

If one of the following conditions applies to you, consult your physician before using the TIEX Tinnitus Therapy Device.

Relative contra-indications are hyperthyreosis, neoplasm, intake of Marcoumar (Marcumar), heavily irregular heartbeat, and excessive dieting.

When experiencing a heavy state of exhaustion, the device should not be used, since it would additionally stimulate and therefore stress the cells.

WHAT IS THE PARADOX REACTION?

Very similar to many physical therapies, acupuncture and neural therapy, we can (in the beginning of the therapy with the TIEX Tinnitus Therapy Device) observe a short-term increase of Tinnitus. However, this so called paradox reaction is a prognostically positive sign that the therapy can bring the desired results.

TECHNICAL SPECIFICATIONS OF THE TIEX TINNITUS THERAPY DEVICE

Power supply:	battery (9 volts DC)
Power input:	10 mA
Spools:	biphasic
Frequency:	3.5 Hz wobbled +/- 0.5 Hz 6 Hz wobbled +/- 0.5 Hz
Magnetic flux density:	50 µT +/- 10 µT
Headset (spoolresistance):	5.0 Ohm +/- 0.1 Ohm
Measurements:	length: 150 mm; width: 80 mm; height: 30 mm
Weight:	340 g
Operating temperature:	between +50 F and +104 F (+10°C and 40°C)
Storage temperature:	between 4 F and +140 F (20°C and +60°C)
Shipping temperature:	between 4 F and +140 F (20°C and +60°C)
Humidity:	up to max. 80 %
Protection grade:	Type B

EXPLANATION OF THE GRAPHICAL SYMBOLS

	turn of the device
	plug for the headset
CE 0408	sign of conformity according to the EC guideline 93/42/EWG, annex VI
SN	serial number

WARRANTY

NEUWIRTH sells the TIEX Tinnitus Therapy Device under guarantee for 2 years from the date of purchase according to the conditions hereafter.

As proof of entitlement serves the dated sales receipt. Claims have to be asserted within the period of warranty. During this period NEUWIRTH substitutes or repairs free of charge any parts of the device not working free of fault because of material or manufacturing errors. The period of guarantee will not be extended through the case mentioned above.

This NEUWIRTH product warranty does not cover damage caused by misuse or nonobservance of the user manual. Liability for indirect or direct consequential damage caused by the device is excluded.

To obtain warranty service on your TIEX Tinnitus Therapy Device please mail the unit packaged in the original cartoon and a copy of your dated sales receipt (as proof of purchase) to the TIEX Patient Service (please refer to back cover of user manual).

If you are not sure of the existence of a defect please contact the TIEX Patient Service.

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